

THE DOCTORAL STUDY

APPLIED MARINE SCIENCES

About the doctoral study

The doctoral study programme of Applied Marine Sciences is jointly organised by the University of Split and the University of Dubrovnik. The study programme lasts for **three years** (six semesters) and to acquire the academic title of **Doctor of Science (PhD)**, during this study students must acquire **180 ECTS credits**, out of which 35 ECTS credits are acquired via lectures and seminars at mandatory and elective courses, and the remaining 145 ECTS credits are acquired via other scientific activities related to publishing papers, attending conferences, workshops, and professional development courses.

Explore the doctoral study

Curriculum of the study programme – list of mandatory and elective courses			
Year of study: 1; Semester: 1			
Mandatory courses			
Code	Course	Hours in semester	ECTS
PZMO01	Introduction to applied marine natural sciences	30	5
PZMO03	Introduction to marine biotechnological sciences	30	5
PZMO05	The methodology of scientific research	30	5
Year of study: 1; Semester: 2			
Elective courses			
Code	Course	Hours in semester	ECTS
PZMI01	Statistical methods and data analysis	20	4
PZMI06	Legislation in the field of environmental protection and fisheries	20	4
PZMI07	Economics of environmental protection	20	4
PZMI08	Economy of marine resources	20	4
PZMI11	Marine pollution	20	4
PZMI12	Environmental impact assessment	20	4
PZMI13	Ballast waters	20	4
PZMI14	Ship pollution	20	4
PZMI16	GIS applications in marine sciences	20	4
PZMI17	Conservation ecology	20	4
PZMI19	Microbial processes in the sea	20	4
PZMI23	Population dynamics of marine organisms	20	4
PZMI24	Marine protected areas	20	4
PZMI25	Ecological modelling	20	4
PZMI26	Methods in ecology	20	4

PZMI55	Population genetics of marine organisms	20	4
PZMI27	Management of marine living resources	20	4
PZMI28	Analysis of the selectivity of fishing gear	20	4
PZMI29	The impact of fishing on marine communities	20	4
PZMI30	Biology and ecology of commercial species	20	4
PZMI31	Adriatic ichthyofauna	20	4
PZMI32	Poisonous organisms in the sea	20	4
PZMI33	Application of oceanography and fisheries in mariculture	20	4
PZMI34	Technology of fishery products	20	4
PZMI35	Microbiological and toxicological aspects of food hygiene of marine origin	20	4
PZMI36	Marketing in fisheries	20	4
PZMI37	Raw materials of marine origin in the chemical industry and medicine	20	4
PZMI38	History of the marine research and fisheries	20	4
PZMI39	Trends in mariculture	20	4
PZMI40	Biology, ecology and production of new planktonic species in aquaculture	20	4
PZMI43	Cultivation of marine invertebrates	20	4
PZMI44	The introduction of new species in mariculture	20	4
PZMI45	Biological and ecological characteristics of exploited bivalves	20	4
PZMI46	Fish nutrition in mariculture	20	4
PZMI48	Crustacean biology and aquaculture	20	4
PZMI49	Synergistic aspects of mariculture and fisheries	20	4
PZMI50	Mariculture and environment	20	4
PZMI52	Biology, ecology and aquaculture of cephalopods	20	4

Year of study: 2; Semester: 3 and 4

Obligatory course

Code	Course	Hours in semester	ECTS
PZMI53	Seminars	-	15

Year of study: 3; Semester: 5 and 6

Obligatory course

Code	Course	Hours in semester	ECTS
PZMI54	Doctoral thesis	-	90

Enrolment into the doctoral study

The conditions for admission to the doctoral study are:

- completed university undergraduate or graduate study in the scientific field of natural and biotechnical sciences or related fields;
- grade point average of at least 3.6, and in exceptional cases it can be lower than 3.6 but not lower than 3.0, in which case the applicant must attach two relevant recommendations, one of which must be from the Head of the graduate study;
- achieved at least 300 ECTS points;
- enrolment can be exceptionally granted to persons who have completed university undergraduate or graduate study in other scientific fields than those determined by this study program, with the passing of differential exams, which are a prerequisite for attending the doctoral study, which is decided by the Council of the doctoral study.

The application must contain:

- completed application form for admission to the doctoral study;
- a certified copy of the university's undergraduate and graduate degree;
- transcript of grades of the completed university undergraduate or graduate studies, with the calculated grade point average of the completed study;
- certificate of nationality and birth certificate (it is also possible to submit electronic records from state registries issued through the e-Citizens service) and proof of citizenship for foreign citizens;
- CV;
- a list of published scientific and professional papers, if the applicant has them;
- confirmation of the employer/legal entity on the payment of the tuition fee for the doctoral study, if the tuition fee for the applicant is paid by the employer/legal entity;
- applicants who have completed their studies abroad must also submit a Decision on the recognition of a foreign higher education qualification, after the procedure initiated at the University of Split (The application and documentation must be submitted to the following address: University of Split, Ruđera Boškovića 31, 21000 Split).

The date of the new enrolment admission in the doctoral study of Applied Marine Sciences, as well as all updated information, **will be announced and published on time on the University's website** (<https://more.unist.hr>).

You can get more detailed information by **sending an email**:

- to the Head of the doctoral study programme: Josipa Ferri, josipa.ferri@unist.hr or
- to the Head of the Student service: Vlatka Panadić, vpanadic@unist.hr.